

NoodleTools

An Innovative Teaching Tool for MLA/APA

Angelann Stephens, ELA Teacher
Alonzo A. Crim Open Campus High School
stephens.angelann@gmail.com



What is NoodleTools

Organize, create, store, write

- Save personal copies of sources
- Begin a working bibliography
- Copy-and-paste relevant quotes onto notecards
- Paraphrase the author's words
- Analyze, question and add your own ideas
- Tag and pile your notes – what emerges?
- Create an outline, add piles – reorder and experiment!
- Create [essay, speech, product...] with a bibliography



Smart Tools. Smart Research.

Supporting educators

*to teach a systematic research
and literacy process.*

Inspiring students

*to be authentic independent
and collaborative scholars.*

NoodleTools Premium

The Web's most comprehensive platform for the academic research process

- ▶ Integrated tools for note-taking, outlining, citation, document archiving/annotation, and collaborative research and writing.
- ▶ Differentiated, intelligent software and expert personal support for upper-elementary through university students.

People are saying...

“NoodleTools is the most reasonable and most useful library subscription that contributes to student success. It is a powerful teaching tool for recording, organizing, and citing research. The design is so user friendly!”

– A. MIKOS, MIDDLE SCHOOL
LIBRARY MEDIA SPECIALIST

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[Projects](#)[Dashboard](#)[Bibliography](#)[Notecards](#)[Paper](#)[My Projects](#) > [Create a New Project](#)Welcome, [debbie_new](#) | [Sign Out](#) | [My Account](#) | [Help](#)

Create a New Project

Select a citation style (MLA, APA, or Chicago/Turabian) and level, then enter a short description of your topic.

Citation style:

- ☒ **MLA** *(this is the recommended option at your school or library)*
 - follows the *MLA Handbook*, 7th ed.
- ☐ **APA**
 - follows the *APA Publication Manual*, 6th ed.
- ☐ **Chicago/Turabian**
 - bibliography and footnotes
 - follows *The Chicago Manual of Style*, 16th ed.

Citation level:

- ☐ **Starter**
 - Recommended for grades 4 and under
 - Six basic forms
 - An introduction to citing sources!
- ☐ **Junior**
 - Recommended for grades 5-7
 - A small set of simplified forms
- ☒ **Advanced**
 - Recommended for high school, college, and beyond
 - 70+ citation forms, comprehensive coverage of the style guides

Choose a style

...but if you mess up, you can
change styles later!

Description:

For example, "History 101 report on George Washington"

Name your project



Dashboard

Project: Frog Decline

Research Question:

What is the impact of our environment on the frog population?

Submit

Cancel

Thesis Statement: [Click To Edit]

Keep your focus

History: Project Created: 05/24/12 06:22 PM | Updated: 06/06/12 06:21 PM | [30-day log of work done on this project](#)

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marie_benson



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Paper

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✓ To Do List

☒ Show completed to do items

To Do Items	Due Date	Completed (PST)	Add to-do item
<input type="checkbox"/> Contact Northern California Herpetological Society (NCHS) Linda Boyco <crotalusoreganus1@gmail.com>	"10/15/12"	Not completed.	
<input type="checkbox"/> 5 notecards due	10/12/12	Not completed.	
<input type="checkbox"/> Get supplies with Greg & Marie	10/20/12	Not completed.	

Comments

The following people have commented on your project:

Received (PST)

Notecard comment (Teacher Sally)

06/05/12 10:26 AM

Not sure that this adds anything to your information - especially since it doesn't seem to be a current project at this school. There's a "Save the Frogs Day" each year and their web site has more recent information: <http://www.savethefrogs.com/day/> [View comment in context](#)

Project: Frog Decline

Research Question:

What is the impact of our environment on the frog population?

Submit

Cancel

Watch your work grow

Thesis Statement: [Click To Edit]

History: Project Created: 05/24/12 06:22 PM | Updated: 06/06/12 06:21 PM | [30-day log of work done on this project](#)

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Project History Log

This log displays a 30-day history of this project. Most common actions are logged, including any time a citation or notecard is created, edited or deleted.

The most recent actions are displayed at the top.

Date & Time (PST)	Action
06/05/12 08:00 PM	arogers opened project: Frog Decline
06/05/12 07:37 PM	arogers deleted notecard(s) : 2 deleted, 19 remaining
06/05/12 07:37 PM	arogers edited notecard: High mountain eleuth - photo 2
06/05/12 07:36 PM	arogers edited notecard: High mountain eleuth - photo 2
06/05/12 07:35 PM	arogers undeleted notecard(s) : 1 undeleted
06/05/12 07:35 PM	arogers deleted notecard(s) : 1 deleted, 20 remaining
06/05/12 07:13 PM	arogers added notecard pile: Algae threat
06/05/12 07:12 PM	arogers deleted outline topic (ID: arogers deleted 1 node(s) from the outline.)
06/05/12 07:11 PM	arogers deleted outline topic (ID: arogers deleted 1 attached notecard(s) from the outline.)
06/05/12 06:50 PM	arogers opened project: Frog Decline
06/05/12 06:50 PM	arogers logged in
06/05/12 06:24 PM	arogers logged out
06/05/12 04:21 PM	arogers opened project: Frog Decline
06/05/12 04:21 PM	arogers logged in
06/05/12 04:20 PM	arogers logged out

Components



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To Do List

To Do Items

- ☐ Contact Northern California Herpetological Society (NCHS) <crotalusoreganus1@gmail.com>
- ☐ 5 notecards due
- ☐ Get supplies with Greg & Marie

Comments

The following people have commented on your project:

Notecard comment (Teacher Sally)

Not sure that this adds anything to your information - especially since it doesn't seem to be a current project at the year and their web site has more recent information: <http://www.savethefrogs.com/day/> [View comment in context](#)



Dashboard

Project: Frog Decline

Research Question: What is the impact of our environment on the frog population?

Thesis Statement: [Click To Edit]

History: Project Created: 05/24/12 06:22 PM | Updated: 06/09/12 06:51 AM | [30-day log of work done on this project](#)

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To Do Items	Due Date	Completed (PST)	Add to-do item
<input type="checkbox"/> 5 notecards due	10/12/12	Not completed.	✎ ✕
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<input type="checkbox"/> Get supplies with Greg & Marie	10/20/12	Not completed.	✎ ✕



Comments

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06/08/12 07:58 AM



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Notecard comment (Teacher Sally)

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Keep
everything
together

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	Due Date	Completed (PST)	Add to-do item
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ciety (NCHS) Linda Boyco	10/15/12	Not completed.	
	10/20/12	Not completed.	



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Thesis Statement: [Click To Edit]

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<input type="checkbox"/> 5 notecards due	10/12/12	Not completed.	✎ ✕
<input type="checkbox"/> Contact Northern <crotalusoreganus1			✎ ✕
<input type="checkbox"/> Get supplies with			✎ ✕

Use feedback from **TEACHER** to improve your work

Comments

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Notecard comment (Teacher Sally)

Paraphrase is accurate and complete : Your paraphrase captures the author's entire idea and point of view in your own words.

I'm particularly pleased that you've extracted the competing interests of farmers who need to provide salmonella-free foods and the frogs whose habitats are on farms. [View comment in context](#)

Cabaluna said the company is re-evaluating all production guidelines.

"One thing we are implementing is a program that will test every truckload of produce that comes in," Cabaluna said. "That way, if we find a problem, we'll be able to isolate it. That might allow us to preserve wildlife habitat because we could identify specific trouble spots rather than applying a blanket solution."

But Anderson said the emphasis on "clean farming" is increasing throughout the state, especially in the almond-growing regions of the Central Valley. The Almond Board of California promotes farming techniques that encourage clean, bare earth in and around almond orchards.

A pamphlet on "good agricultural practices" from the Almond Board is specific about contamination concerns: "All animals, wild and domestic, including mammals, birds, reptiles and insects, are potential sources of contamination. ... It is important to minimize attraction, harborage and potential for contamination."

Anderson said a farmer reading those words comes away with one message: Rip out anything that can attract wild creatures.

Merle Jacobs, an associate director with the Almond Board, said his organization's advisories are suggestions, not directives.

Paraphrase:

Some companies may try to save wild habitats by testing each truckload, so they catch a problem immediately.

Other companies may encourage "bare earth" - essentially no wild hab

My Ideas:

Does the commitment to wild habitats relate to whether the company is

History:

Notecard Created By: arogers (Amy Rogers) on 05/29/12 04:38 PM | Upda



Notecard Comments

Paraphrase is accurate and complete : Your paraphrase captures the author's entire idea and point of view in your own words.

I'm particularly pleased that you've extracted the competing interests of farmers who need to provide salmonella-free foods and the frogs whose habitats are on farms.

Teacher Sally (06/05/12 10:15 AM PST)

[Delete Comment](#)



Journal
Article
DOI Lookup
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Pounds, Alan J., et al. "Widespread Amphibian Extinctions from Epidemic Disease Driven by Global Warming." *Nature* 439.7073 (2006): 161-67. *Academic Search Complete*. Web. 24 May 2012.

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arothers
(Amy
Rogers)

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in-text reference
Have a question?

Created: 05/24/12 08:57 PM | Updated: 05/29/12 04:00 PM



Book

Saunders, Thomas. *The Boiled Frog Syndrome: Your Health and the Built Environment*. Chichester: Wiley-Academy, 2002. Print.

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arothers
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Shoo, Luke P., et al. "Engineering a Future for Amphibians under Climate Change." *Journal of Applied Ecology* 48.2 (2011): 487-92. *Academic Search Complete*. Web. 24 May 2012.

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arothers
(Amy
Rogers)

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Have a question?

Created: 05/24/12 09:03 PM | Updated: 05/29/12 04:13 PM



Web Site
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Testler, Pearl. "The Amazing Adaptable Frog." *Frogs*. Exploratorium, 1999. Web. 24 May 2012. <<http://www.exploratorium.edu/frogs/mainstory/index.html>>.

Secondary
source

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Have a question?

Created: 05/24/12 09:11 PM | Updated: 05/29/12 04:16 PM



Journal
Article

Wake, David B. "Climate Change Implicated in Amphibian and Lizard Declines." *PNAS* 104.20 (2007): 8201-02. Abstract. *PNAS Online*. Web. 24 May

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Read comments on
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06/05/12 10:15 AM

	Web Site Web Page View live Web page Archive & annotate page	"Frog Chytrid Fungus." <i>Environment & Heritage</i> . NSW Government, 15 Apr. 2011. Web. 24 May 2012. < http://www.environment.nsw.gov.au/animals/FrogChytridFungus.htm >.	0 New	arogers (Amy Rogers)	 Edit  Copy  Delete In-text reference Have a question?	
Created: 05/24/12 07:20 PM Updated: 06/03/12 04:16 PM						
	Web Site Web Page View live Web page Archive & annotate page	"Frog Development." <i>Embriology</i> . Ed. Mark Hill. UNSW Medicine. 4 Apr. 2012. Web. 29 May 2012. < http://php.med.unsw.edu.au/embryology/index.php?title=Frog_Development&oldid=89123 >.	0 New	arogers (Amy Rogers)	 Edit  Copy  Delete In-text reference Have a question?	
Created: 05/29/12 12:30 PM Updated: 06/03/12 04:15 PM						
<div> Citation Comments Nice work finding the editor for this wiki! <i>Teacher Sally (06/08/12 07:55 AM PST)</i> Delete Comment</div>						
	Television or Radio Program Episode/Segment View live Web page Archive & annotate page	"Fungus Pushes Frogs towards Extinction." By Sabri Ben-Achour. <i>WAMU 88.5 News</i> . 2 Aug. 2011. <i>WAMU 88.5</i> . Web. 24 May 2012. < http://wamu.org/news/11/08/02/fungus_pushes_frogs_towards_extinction.php >.	0 New	arogers (Amy Rogers)	 Edit  Copy  Delete In-text reference Have a question?	
Created: 05/24/12 09:18 PM Updated: 05/29/12 03:37 PM						
	Blog Post View live Web page Archive & annotate page	Johnson, Jessica P. "Pick Your Frog Poison." <i>News. Scientist</i> , 31 May 2011. Web. 29 May 2012. < http://classic.the-scientist.com/news/display/58186/ >.	0 New	arogers (Amy Rogers)	 Edit  Copy  Delete In-text reference Have a question?	
Created: 05/24/12 09:24 PM Updated: 05/29/12 03:52 PM						
	Journal Archive & annotate page	Julian, Liam. "Better Brain Science." Rev. of <i>Moonwalking with Einstein: The Art and Science of Remembering Everything</i> by Joshua Foer. <i>Policy Review</i> 166 (April-May 2011): 70+. <i>Academic OneFile</i> . Web. 5 June 2012.	0 New	arogers (Amy Rogers)	 Edit  Copy  Delete In-text reference Have a question?	
Created: 06/05/12 03:42 PM Note: This is a copy of a preformatted citation						
	Blog Post View live Web page Archive & annotate page	Lewis, J. P. "Eleutherodactylus Patriciae." <i>Amphibian Assessment Forum</i> . Amphibian Specialist Group, 20 Aug. 2011. Web. 29 May 2012. < http://www.amphibians.org/redlist/currentlyunderassessment/43 >.	0 New	arogers (Amy Rogers)	 Edit  Copy  Delete In-text reference Have a question?	
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	Newspaper Article View live Web page Archive & annotate page	Martin, Glen. "Farms May Cut Habitat Renewal over E. Coli Fears." <i>San Francisco Chronicle</i> 20 Dec. 2006: A1. Web. 24 May 2012. < http://sfgate.com/cgi-bin/article.cgi?file=/c/a/2006/12/19/MNGVHN291V1.DTL >.	Secondary source	5 Show New	arogers (Amy Rogers)	 Edit  Copy  Delete In-text reference Have a question?
Created: 05/24/12 08:14 PM Updated: 06/03/12 04:18 PM						
	Journal Article DOI Lookup Archive & annotate page	Pounds, Alan J., et al. "Widespread Amphibian Extinctions from Epidemic Disease Driven by Global Warming." <i>Nature</i> 439.7073 (2006): 161-67. <i>Academic Search Complete</i> . Web. 24 May 2012.	2 Show New	arogers (Amy Rogers)	 Edit  Copy  Delete In-text reference Have a question?	
Created: 05/24/12 08:57 PM Updated: 05/29/12 04:00 PM						
	Book	Saunders, Thomas. <i>The Boiled Frog Syndrome: Your Health and the Built Environment</i> . Chichester: Wiley-Academy, 2002. Print.	0 New	arogers (Amy Rogers)	 Edit  Copy  Delete In-text reference Have a question?	
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Media Type	Citation	Description	Notecards	Creator	
<input type="checkbox"/> Book	Beltz, Ellin. <i>Frogs: Inside Their Remarkable World</i> . Buffalo: Firefly, 2005. Print.	Secondary source	1 Show New	arogers (Amy Rogers)	Edit Copy Delete In-text reference Have a question?
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<input type="checkbox"/> Web Site Web Page View live Web page	"Frog Chytrid Fungus." <i>Environment & Heritage</i> . NSW Government, 15 Apr. 2011. Web. 24 May 2012. < http://www.environment.nsw.gov.au/animals/FrogChytridFungus.htm >.		0 New	arogers (Amy Rogers)	Edit Copy Delete In-text reference Have a question?



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Puzzle of Global Amphibian Declines." *BioOne*. Web. 24 May 2012.
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Buck, Julia C., et al. "Effects of Multiple Stressors on Wetland Communities: Pesticides, Pathogens and Competing Amphibians." *Freshwater Biology* 57.1 (2012): 61-73. Print.

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<<http://www.amphibianark.org/the-crisis/chytrid-fungus/>>.

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"The Common Frog (*Rana Temporaria*)."
Irish Peatland Conservation Council. Irish Peatland Conservation Council, 2007. Web. 24 May 2012.
<<http://www.ipcc.ie/infofrogs.html>>.

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Crump, Martha L. "Why Are Some Species in Decline but Others Not?" *Amphibian Declines: The Conservation Status of United States Species*. Ed. Michael Lannoo. Los Angeles: UCP, 2005. 7-9. Print.

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<input type="checkbox"/>	Web Site Web Page View live Web page Archive & annotate page	"Frog Development." <i>Embryology</i> . Ed. Mark Hill. UNSW Medicine, 4 Apr. 2012. Web. 29 May 2012. < http://php.med.unsw.edu.au/embryology/index.php?title=Frog_Development&oldid=89123 >.	0 New	arogers (Amy Rogers)	Edit Copy Delete In-text reference Have a question?	
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<input type="checkbox"/>	Book View live Web page Archive & annotate page	Jepson, Lance. <i>Exotic Animal Medicine: A Quick Reference Guide</i> . Edinburgh: Elsevier Saunders, 2009. Print.	0 New	arogers (Amy Rogers)	Edit Copy Delete In-text reference Have a question?	
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<input type="checkbox"/>	Journal Archive & annotate page	Julian, Liam. "Better Brain Science." Rev. of <i>Moonwalking with Einstein: The Art and Science of Remembering Everything</i> by Joshua Foer. <i>Policy Review</i> 166 (April-May 2011): 70+. <i>Academic OneFile</i> . Web. 5 June 2012.	0 New	arogers (Amy Rogers)	Edit Copy Delete In-text reference Have a question?	
Created: 06/05/12 03:42 PM Note: This is a copy of a preformatted citation						
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Created: 05/29/12 05:14 PM Updated: 05/29/12 05:22 PM						
<input type="checkbox"/>	Newspaper Article View live Web page Archive & annotate page	Martin, Glen. "Farms May Cut Habitat Renewal over E. Coli Fears." <i>San Francisco Chronicle</i> 20 Dec. 2006: A1. Web. 24 May 2012. < http://sfgate.com/cgi-bin/article.cgi?file=/c/a/2006/12/19/MNGVHN291V1.DTL >.	Secondary source 5 Show New	arogers (Amy Rogers)	Edit Copy Delete In-text reference Have a question?	
Created: 05/24/12 08:14 PM Updated: 06/03/12 04:18 PM						
<input type="checkbox"/>	Journal Article DOI Lookup Archive & annotate page	Pounds, Alan J., et al. "Widespread Amphibian Extinctions from Epidemic Disease Driven by Global Warming." <i>Nature</i> 439.7073 (2006): 161-67. <i>Academic Search Complete</i> . Web. 24 May 2012.	2 Show New	arogers (Amy Rogers)	Edit Copy Delete In-text reference Have a question?	

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Buck, Julia C., et al. "Effects of Pesticides, Pathogens, and Climate Change on Amphibians." *Conservation Biology* 26.1 (2012): 61-73. Print.

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Crump, Martha L. "Why Amphibians Decline: The Conservation of the Lannoo. Los Angeles: University of California Press, 2005. Print.

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What typically goes in an MLA-style parenthetical reference?

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Shortened footnote (for subsequent citations):

2. Fitzgerald, *The Great Gatsby*, 23.

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What is a footnote?

A footnote is used to inform your reader where you have sourced a particular quotation or idea within the body of your paper. For certain types of sources, like e-mails, well-known encyclopedias, and legal documents, your footnote is often sufficient documentation -- an entry may not be necessary in your bibliography. For other types of sources, like books and journals, both a footnote and a bibliography entry are always included.

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When a full reference to the source has already been included in the bibliography, or in a previous footnote, subsequent footnotes can be shortened to provide enough information to lead your reader back to the full citation. Typically, this includes the last name of the author or other primary contributor, a shortened version of the title (if longer than 4 words), and a page number. If you aren't sure if shortened footnotes should be used in your paper, check with your teacher.

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"The Common Frog (*Rana Temporaria*)." *Irish Peatland Conservation Council*. Irish Peatland

Conservation Council, 2007. Web. 24 May 2012. <<http://www.ipcc.ie/infofrogs.html>>.

Crump, Martha L. "Why Are Some Species in Decline but Others Not?" *Amphibian Declines:*

The Conservation Status of United States Species. Ed. Michael Lannoo. Los Angeles:

UCP, 2005. 7-9. Print.

"'Fewer Leaves' behind Frog Demise." *BBC News*. BBC, 17 Apr. 2007. Web. 24 May 2012.

<<http://news.bbc.co.uk/2/hi/science/nature/6564329.stm>>.

"Frog Chytrid Fungus." *Environment & Heritage*. NSW Government, 15 Apr. 2011. Web. 24

May 2012. <<http://www.environment.nsw.gov.au/animals/FrogChytridFungus.htm>>.

"Frog Development." *Embriology*. Ed. Mark Hill. UNSW Medicine, 4 Apr. 2012. Web. 29 May

2012. <[http://php.med.unsw.edu.au/embryology/](http://php.med.unsw.edu.au/embryology/index.php?title=Frog_Development&oldid=89123)

[index.php?title=Frog_Development&oldid=89123](http://php.med.unsw.edu.au/embryology/index.php?title=Frog_Development&oldid=89123)>.

"Fungus Pushes Frogs towards Extinction." By Sabri Ben-Achour. *WAMU 88.5 News*. 2 Aug.

2011. *WAMU 88.5*. Web. 24 May 2012. <[http://wamu.org/news/11/08/02/](http://wamu.org/news/11/08/02/fungus_pushes_frogs_towards_extinction.php)

[fungus_pushes_frogs_towards_extinction.php](http://wamu.org/news/11/08/02/fungus_pushes_frogs_towards_extinction.php)>.

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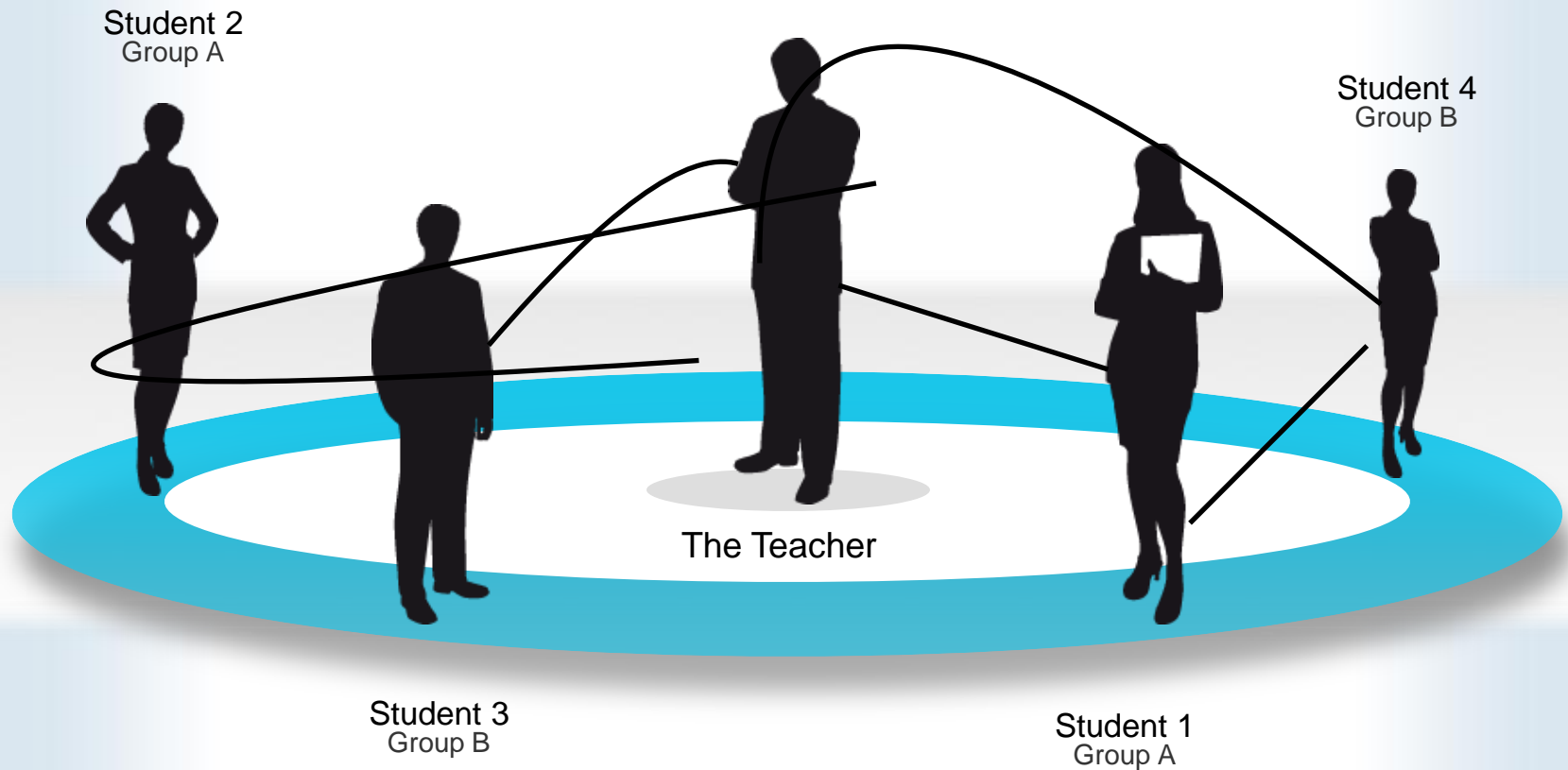
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Description	Style	Level	Entries	Notes	Created (CST)	Modified (CST)	Shared?	Collaborating?	
<input type="checkbox"/> Frog Decline	MLA	Advanced	25	23	05/24/12 08:22 PM	07/08/12 02:48 PM	✓		Option ▼
<input type="checkbox"/> Fracking	MLA	Advanced	5	4	07/03/12 04:03 PM	07/06/12 05:33 PM			Option ▼
<input type="checkbox"/> Martin Luther King, Jr.	MLA	Starter	7	2	06/25/12 01:44 AM	07/06/12 04:38 PM			Option ▼
<input type="checkbox"/> Coral Reef Ecology	APA	Advanced	3	0	06/29/12 02:21 PM	07/06/12 11:05 AM			Option ▼
<input type="checkbox"/> Computer E-Waste	MLA	Advanced	20	0	07/05/12 07:33 PM	07/06/12 11:05 AM			Option ▼
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Tags:	fungus_threat
Cues:	none
Quotation:	Chytrid fungi were long thought to be predominantly free-living saprophytes, with a few species capable of infecting only invertebrates and vascular plants. However, in 1999 a new species -- <i>Batrachochytrium dendrobatidis</i> (hereafter Bd) -- was described infecting amphibians and causing the often fatal disease, chytridiomycosis. Since that discovery, Bd has been identified in association with amphibian population declines on every amphibian- inhabited continent. Bd is thought to have originated in South Africa, where the earliest record occurs in a museum specimen from the 1930s and initially spread by the commercial trade in clawed frogs (<i>Xenopus</i>). For more information on the origins and spread of Bd, see the article by Weldon et al at http://www.cdc.gov/ncidod/EID/vol10no12/03-0804.htm
Paraphrase:	Chytrid fungi Often deadly On every continent Began with pet trade in S. Africa
My Ideas:	For more information on the origins and spread of Bd, see the article by Weldon et al at http://www.cdc.gov/ncidod/EID/vol10no12/03-0804.htm Use search term? chytridiomycosis

Notes



Notecard Comments

Why is it important to isolate the origin of Bd?
Debbie (07/07/12 05:27 PM CST)
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Feedback

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Fantastic Po

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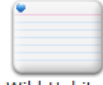
Frog life cycle - where a..

Leaf Litter Habitat

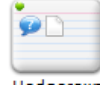
Frogs live in many clima..



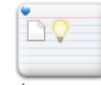
Runoff and Vegetative S..



Wild Habitats on Farms



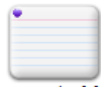
Hedgerows



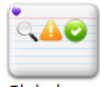
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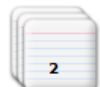
Ecology vs. Economy



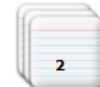
Spread of fungus



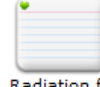
Global warming



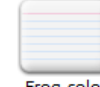
Climate



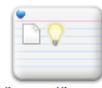
Algae threat



Radiation from the sun



Frog color



"Weed" species can cop..



Frogs in cold weather



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Leaf Litter Habitat

Frogs live in many clima..

Runoff and Vegetative S..

Wild Habitats on Farms

Hedgerows

Clean Farming

Ecology vs. Economy

Spread of fungus

Global warming

Climate

Algae threat

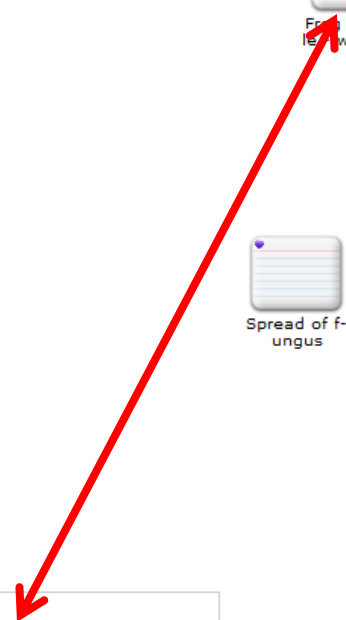
Radiation from the sun

Frog color

"Weed" species can cop..

Frogs in cold weather

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Check the bird's eye view for out-of-sight notecards

A notecard is an organizer for ideas

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- Capture the author's words and images
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Paraphrase here

- Explain it to yourself
- In words you understand
- Look back at the quote – got it all?

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Original thinking here

- What do you wonder?
- How does this fit with what you know?
- What can you follow up on?

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Differences in virulence between different types or "strains" of the Bd fungus. The term virulence refers to the ability of the fungus to cause disease in amphibians. A type of Bd that is "highly virulent" easily makes amphibians sick, but another type

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There is not a single explanation for why an amphibian population succumbs or does not succumb to chytridiomycosis and in most cases multiple factors are probably at work to result in a particular outcome.

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own color
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Close reading boosts your comprehension

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Title (Main Idea)

Pages

Explain it to yourself

Direct Quotation

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Not all amphibian species that are infected with Bd become sick or die. These species like the **American bullfrog** and the **African clawed frog** are said to be "resistant" to chytridiomycosis. Resistant species are a major concern because they are **carriers of Bd** (like a "Typhoid Mary") that can move the fungus to new locations and expose new populations of amphibians that are "susceptible" or more likely to become sick with lethal chytridiomycosis.

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The **production of "antimicrobial peptides"** combinations or more resistant to

Some amphibian species development of chytridiomycosis

Environmental differences water flow patterns population density locations that are **favorable for the growth**

Differences in virulence between different types or "strains" of the Bd fungus. The term virulence refers to the ability of the fungus to cause disease in amphibians. A type of Bd that is **"highly virulent"** easily makes amphibians sick, but another type

Pull out key ideas in words you understand

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Resistant species are the carriers:

- American Bullfrog
- African clawed frog

What could contribute to resistance?

- skin bacteria
- glands produce "antimicrobial peptides"
- genetic make-up
- warm climate
- different strains of Bd

Help

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Title (Main Idea)

Resistance

Title

A short phrase that reminds you of the content of this notecard.



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Difference
term virule
type of Bd

My Ideas

Paragraph



I'm ready to add a main idea

Web. 2

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If you have trouble identifying a main idea:

1. Reread the quote to get the "gist."
2. Is there more than one main idea? If so, just split your quote into two notecards.

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Resistance

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"Chytrid Fungus." Amphibian Ark. AArk, 2012. Web. 2

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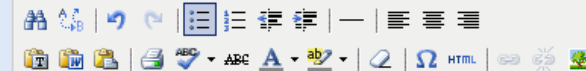
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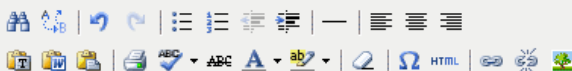
- skin bacteria
- glands produce "antimicrobial peptides"
- genetic make-up
- warm climate
- different strains of Bd

Help

[How do I do this?](#)

My Ideas

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Do resistant frogs come from warm climates?

Could at-risk frogs adapt to warmer climates?

How does global warming affect endangered frogs?

 A large blue arrow pointing from the right towards the 'My Ideas' section. Inside the arrow, the text 'Questions, brainstorming...' is written in yellow.

Questions,
brainstorming...

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Title (Main Idea)

Resistance

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Differences in virulence of different types of Bd that is

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Use "My Ideas" in a flexible way

My Ideas

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Do resistant frogs come from warm climates?

Could at-risk frogs adapt to warmer climates?

How does global warming affect endangered frogs?

Check to see if the American Bullfrog comes from a warm climate.

Find the Harris references.

New leads

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Resistance

Source

Link this notecard to a source in your list.

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If your note isn't linked to a source, find it in this list of all your sources

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Source

"Chytrid Fungus." Amphibian Ark. AArk, 2012. Web. 3

None

Beltz, Ellin. Frogs: Inside Their Remarkable World. ...

Ben-Ari, Elia. "New Piece in the Puzzle of Global Am...

Buck, Julia C., et al. "Effects of Multiple Stressors o...

"Chytrid Fungus." Amphibian Ark. AArk, 2012. Web...

"The Common Frog (Rana Temporaria)." Irish Peatla...

Crump, Martha L. "Why Are Some Species in Declin...

"'Fewer Leaves' behind Frog Demise." BBC News. B...

"Frog Chytrid Fungus." Environment & Heritage. NS...

"Frog Development." Embriology. Ed. Mark Hill. UNS...

"Fungus Pushes Frogs towards Extinction." By Sabri...

Holland, Jennifer S. "The Vanishing." National Geogr...

Jepson, Lance. Exotic Animal Medicine: A Quick Ref...

Johnson, Jessica P. "Pick Your Frog Poison." News. ...

Julian, Liam. "Better Brain Science." Rev. of Moonw...

- American clawed frog

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Do resistant frogs come from warm climates?

Could at-risk frogs adapt to warmer climates?

How does global warming affect endangered frogs?

Check to see if the American Bullfrog comes from a warm climate.

Find the Harris references.

Save

Cancel

If you can, add a tag now...

Title
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Pages

Paragraph Font Family Font Size B I U



Not all amphibian species that are infected with Bd become sick or die. These species like the **American bullfrog** and the **African clawed frog** are said to be "resistant" to chytridiomycosis. Resistant species are a major concern because they are **carriers of Bd** (like a "Typhoid Mary") that can move the fungus to new locations and expose new populations of amphibians that are "susceptible" or more likely to become sick with lethal chytridiomycosis.

Some of the mechanisms that could explain species resistance to chytridiomycosis are:

The presence on the **skin of specific types of symbiotic bacteria** that discourage the growth of Bd (Harris et al., 2009 a and b) Amphibians or amphibian populations that normally have **large numbers of these bacteria in the skin might be more resistant** to developing chytridiomycosis.

The **production by the poison glands in amphibian skin of chemicals called "antimicrobial peptides"** that discourage the growth of Bd. Specific types, combinations or amounts of antimicrobial peptides might help some species to be more resistant to chytridiomycosis.

Some amphibian species or populations may have **genetic resistance** to the development of chytridiomycosis by **mechanisms that are not yet understood**.

Environmental differences between populations such as temperature, humidity or water flow patterns. For instance, some of the most important amphibian population declines associated with chytridiomycosis have occurred at high elevation locations that have a **cool temperature range (< 25C or 77F) that is most optimal for the growth of Bd**.

Differences in virulence between different types or "strains" of the Bd fungus. The term virulence refers to the ability of the fungus to cause disease in amphibians. A type of Bd that is **"highly virulent" easily makes amphibians sick**, but another type

My Tags

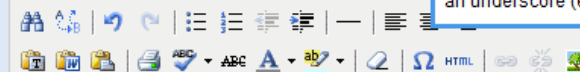
Select a tag...

Pile

Select A Pile

Paraphrase or Summary

Paragraph Font Family Font Size



Resistant species are the carriers:

- American Bullfrog
- African clawed frog

What could contribute to resistance?

- skin bacteria
- glands produce "antimicrobial peptides"
- genetic make-up
- warm climate
- different strains of Bd

Tags

climate

Tags

Type new tags or select existing tags to add to this notecard. **Note:** Put multiple-word tags in quotation marks (e.g., "global warming") or add an underscore (e.g., global_warming).

My Ideas

Paragraph Font Family Font Size B I U



Do resistant frogs come from warm climates?

Could at-risk frogs adapt to warmer climates?

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Check to see if the American Bullfrog comes from a warm climate.

Find the Harris references.

[How do I do this?](#)

Save

Cancel

...when you know more it will be easier!

Paragraph Font Family Font Size B I U



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My Tags

- adapt
- agriculture
- algae threat
- behavior
- blood
- california
- central america
- chemical threat
- climate
- climate_threat
- color
- construction_threat
- contamination_probl...
- deformed
- dominican republic

- genetic make-up
- warm climate
- different strains of Bd

Tags

Existing Tags

Tags will help you uncover new patterns when you organize your notes. You can wait to tag or add them now and tidy up later.

[How do I do this?](#)

My Ideas

Paragraph Font Family Font Size B I U



Do resistant frogs come from warm climates?

Could at-risk frogs adapt to warmer climates?

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Find the Harris references.

[How do I do this?](#)

Save

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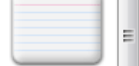
Notecards

Search: ☒ and ☐ or

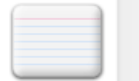
Notecard Tabletop

[New Notecard](#)

New Notecard



Tomato Fro-



Fantastic Po-

Move 10 >>

[Add to Pile](#)

[Link to Source](#)

[Tags](#)



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Frog life cyc-
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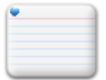
Leaf Litter
Habitat



Frogs live in
many clima..



Clean Farmi-
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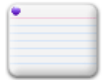
Wild Habita-
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Global war-
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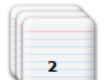
Hedgerows



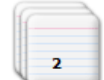
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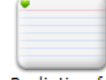
Runoff and
Vegetative S..



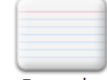
Climate



Algae threa-
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Radiation fr-
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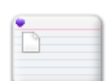
Frog color



"Weed" spec-
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Frogs in col-
d weather



Global Test
Result



Ecology vs.
Economy

Your new notecards are waiting on the tabletop

Notecards

Search: Tag Search ☐ and ☐ or

Notecard Tabletop

[New Notecard](#) [Add to Pile](#) [Link to Source](#) [Tags](#) [X](#) [Refresh](#)

1 notecard selected [Clear selection](#)

New Notecard

Tomato Frog

Fantastic Po-

Move 10 >>

Colors

Visual Cues

Tags

Edit/Delete Tags

Frog life cycle - where a...

Leaf Litter Habitat

Frogs many

Global warming

farms

5

Spread of fungus

Climate

2

Algae threat

2

Radiation from the sun

Frog color

"Weed" species can cop..

Frogs in cold weather

Global Test Result

Needs further research

Need help

Incomplete

Original thinking

Important

Used in paper

Apply

Remove

Add colors and cues to remind yourself what needs to be done and what's important.

Notecards

Search: Tag Search ☐ and ☐ or

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Tomato Frog

Fantastic Po

Move 10 >>



Frog life cycle - where a..



Leaf Litter Habitat



Frogs live in many clima..



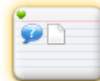
Clean Farming



Wild Habitats on Farms



Global warming



Hedgerows



Spread of fungus



Runoff and Vegetative S..



Climate



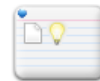
Algae threat



Radiation from the sun



Frog color



"Weed" species can cop..



Frogs in cold weather



Global Test Result



Ecology vs. Economy

Search tags to highlight related ideas

Notecards

Search: Tag farms Search and

Notecard Tabletop

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5 notecards selected
[Clear selection](#)

New Notecard
Tomato Frog
Fantastic Po
Move 10 >>

Frog life cycle - where a..

Leaf Litter Habitat

Frogs live in many clima..

Clean Farming

Wild Habitats on Farms

Global warming

Spread of fungus

Runoff and Vegetative S..

"Weed" species can cop..

Frogs in cold weather

Global Test Result

Ecology vs. Economy

Existing Pile

Create New Pile

farms

Submit

Climate

Algae threat

Radiation from the sun

Frog color

Create a new pile from your highlighted notecards

Notecards

Search: Tag farms Search and or

Notecard Tabletop

[+ New Notecard](#) [Add to Pile](#) [Link to Source](#) [Tags](#) [X](#) [Recycle](#)

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[Clear selection](#)

New Notecard
Tomato Fro-
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Fantastic Po-
Move 10 >>

Frog life cyc-
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Leaf Litter
Habitat
Frogs live in
many clima..

Global war-
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5 / 5
farms

Spread of f-
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Climate

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Radiation fr-
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Frog color

"Weed" spe-
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Frogs in col-
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Global Test
Result

Piles are possible subtopics for an outline

Notecards


Search: Tag Search ☒ and ☐ or

Notecard Tabletop


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New Notecard
Tomato Fro-
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Move 10 >>




Frog life cycle - where a...




Leaf Litter Habitat




Frogs live in many clima...




Global warming




farms




Spread of fungus




Climate




Algae threat




Radiation from the sun




Frog color



"Weed" species can cop...



Frogs in cold weather



Global Test Result

Outline

[+](#) [List](#) [Table](#) [X](#) [Refresh](#)

- I. Description of problem
 - A. Evidence
- II. Causes
 - A. Climate
 - B. Genetics

Build your outline
on-the-fly...

Notecards

Search: Keyword Search ☒ and ☐ or

Notecard Tabletop

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0 notecards selected
[Clear selection](#)

New Notecards

Move 10 >>

Outline

[+](#) [←](#) [→](#) [↑](#) [↓](#) [X](#) [G](#)

- I. Description of problem
 - A. Evidence
- II. Causes of decline
 - A. Climate
 - B. Genetics
 - C. Fungus
 - D. Habitat loss
 - E. Pet industry

...or create it before you take notes.


Notecards

Search: ☒ and ☐ or


Notecard Tabletop

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[Clear selection](#)

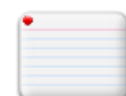
New Notecards



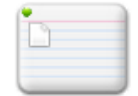
Resistant species

[Move 10 >>](#)


Frog life cycle - where ar..



Leaf Litter Habitat



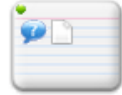
Frogs live in many climat..




Runoff and Vegetative St..




Wild Habitats on Farms




Hedgerows




Clean Farming



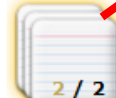
Ecology vs. Economy



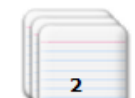
Spread of fungus




Global warming



2 / 2
Climate



2
Algae threat



Radiation from the sun

Outline

[+](#) [←](#) [→](#) [↑](#) [↓](#) [X](#) [Print](#)

- I. Description of problem
- A. Evidence
- II. Causes
 - A. Climate
 - B. Genetics
 - C. Fungus
 - D. Habitat loss
 - E. Pet industry
- III. Solutions

Drag notes and piles into your outline

Notecards

Notecard Tabletop

[+ New Notecard](#)

[Add to Pile](#)
[Link to So](#)

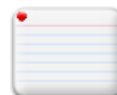
New Notecards



Resistant sp-
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Frog life cycl-
e - where ar..



Leaf Litter H
abitat



Runoff and
Vegetative St..



Spread of fu-
ngus



"Weed
ies card

Outline



I. Description of problem

A. Evidence

II. Causes

A. Climate

- ☐ Frogs live in many climates
- ☐ Climate-Chytrid paradox
- ☐ Adaptability
- ☐ Frogs in cold weather

B. Genetics

C. Fungus

D. Habitat loss

E. Pet industry

III. Solutions

Maya S | [Sign Out](#) | [My Account](#) | [Help](#)

Search and or

Outline



I. Description of problem

A. Evidence

II. Causes

A. Climate

B. Genetics

C. Fungus

D. Habitat loss

E. Pet industry

III. Solutions

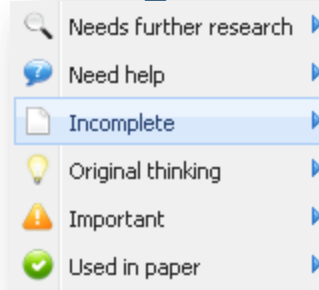
Watch your outline grow as
you add notecards


Review, reflect, reorder, revise

When you think you're done, take another look!

- Can I add *more tags* now that I know more?
 - Label details, themes, concepts
- Other ways to order my ideas?
 - Reorder by searching on 2-3 tags at once

- Any loose ends?



- Are there types of sources I missed?
 - Use  button to see the type and range of sources you used

Don't forget to follow **your ideas!**

✚ Colorful Frogs are Endangered

 Edit  Print  Delete

Source: Beltz, Ellin. *Frogs: Inside Their Remarkable World*. Buffalo, NY: Firefly, 2005.

URL:

Pages: 64

Tags: exotic_pet_threat Madagascar tomato_frog zoo_threat

Quotation: The tomato frog, *Dyscophus antongilii*, is named for its red-and-back coloring and is highly endangered on its native island of Madagascar. The major causes of its decline are given as **deforestation** and the **world-wide amphibian trade**. About 100 are listed in United states zoos.

Paraphrase: The demand by zoos and pet owners for colorful frogs is endangering the tomato frog.

My Ideas:

1. Interview a pet store owner - I bet this trade in amphibians is illegal.
2. Do a search on "exotic frogs" AND *pets* to see others that may be endangered
3. deforestation means ??

History: Notecard Created: Jul 15, 2007 8:28 AM PST | Updated: Sep 25, 2007 12:12 PM PST

species and habitats that are not currently recognized as susceptible to such risks.

Paraphrase: in Costa Rica the amphibians decline may be due to the reduced quantity of standing leaf litter which is essential part of the microhabitat within this Rainforest habitat.

My Ideas:

Read the full report when it is published:
PNAS | **May 15, 2007** | vol. 104 | no. 20 | 8352-8356

Note: BBC article quotes a bit of it: "The increasingly warm and wet conditions of the past two decades could negatively influence standing litter mass by affecting rates of litterfall or litter decomposition," the authors wrote.
<http://news.bbc.co.uk/2/hi/science/nature/6564329.stm>

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<input type="checkbox"/> Global Warming Debate	MLA	Advanced	16	30	01/31/05 11:00 PM	05/08/08 03:19 PM	Copy Rename
<input type="checkbox"/> China	MLA	Advanced	34	20	11/12/06 11:00 PM	12/18/06 11:00 PM	Copy Rename
<input type="checkbox"/> Privacy and the Supreme Court	MLA	Advanced	31	22	09/20/06 10:00 PM	11/21/06 11:00 PM	Copy Rename
<input type="checkbox"/> Marco Polo	MLA	Advanced	8	0	05/04/04 10:00 PM	05/26/04 10:00 PM	Copy Rename
<input type="checkbox"/> Lord of the Flies	MLA	Advanced	15	0	01/03/03 11:00 PM	01/10/03 11:00 PM	Copy Rename
<input type="checkbox"/> Science Fair Project	APA	Advanced	4	3	02/02/02 11:00 PM	04/04/02 11:00 PM	Copy Rename
Archived Projects							
<input type="checkbox"/> Frog Decline	MLA	Advanced	18	29	04/20/04 10:00 PM	06/02/04 10:00 PM	Copy Rename
<input type="checkbox"/> Frog's Body	MLA	Starter	2	0	01/21/01 11:00 PM	01/22/01 11:00 PM	Copy Rename
<input type="checkbox"/> Cat report	MLA	Advanced	4	2	04/17/00 10:00 PM	05/05/00 10:00 PM	Copy Rename
Select one or more items and perform an action: Copy Merge Delete Archive Unarchive							

Questions



Questions concerning the use and implementation using Noodletools.Com...



Text **411055** and your
message to **37607**



Submit responses at
PollEv.com/Stephens



No responses received yet. They will appear here...

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